

**PCCAS AR Task Group Meeting
FNF Construction, Tempe, Arizona
Monday Oct. 20, 2003**

Participants:

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The Pacific Coast Conference on Asphalt Specifications meet on Monday, October 20th in Tempe, Arizona. The meeting was held at the FNF Construction office. The attached agenda for the most part was followed. The meeting began at 9:00 and ended about 3:00 PM. There were three prepared power point presentations presented by Dr. Kamil Kaloush, Anne Stonex and Lee Hulbert, which are shown on the Website.

Dr. Kamil Kaloush gave an overview of progress being made on two research projects. The Ford Motor Company project is also co-sponsored by the Arizona Department of Transportation (ADOT) and deals with the mechanical characterization of gap-graded and open graded mixes by the new Superpave tests. A similar study is being conducted for ADOT on asphalt rubber (AR) mixes on the Interstate 40 Two Guns paving project.

Anne Stonex, reviewed research work being conducted for ADOT on developing a standard mix design procedure for AR gap graded mixes. The completion of this research will help ADOT in allowing consultants to be able to follow a standard mix design procedure and thus do AR gap graded mix designs on a more routine basis.

Lee Hulbert of FNF Construction reviewed the construction practices being used by FNF to build the first phase of the Quiet Pavements Program. Under this project, one of several contracts, ADOT is overlaying concrete freeways in the Phoenix Metropolitan area with an open graded asphalt rubber mix to reduce noise.

Doug Carlson discussed plans to standardize the Haake field viscometer test. This research is sponsored by the Rubber Pavements Association and Dr. Amme of the University of Denver, Colorado is leading this effort.

Cliff Ashcroft and Anne Stonex commented on heavy vehicle simulator (HVS) tests being conducted by the University of California in Berkeley on both AR and MB mixes. The mixes have been placed and loads are being applied.

George Way discussed progress on two ASTM Standards that are being drafted and balloted on AR Open Graded mixes. That work continues and if successful would be the first asphalt mix design standard published by ASTM. Likewise, work is continuing on the development of an AASHTO Standard practice guide similar to the one being used in California.

Attached is an email correspondence from Shauna Teclemariam about a future round robin with AR and MB.

General discussion followed and Michael Dunn indicated there might be some interest in placing an AR open graded mix in Las Vegas to reduce noise.

Attachment Email

From: Shauna M. Teclemariam [SMT@usor.com]
Sent: Thursday, October 16, 2003 9:24 AM
To: 'gway@dot.state.az.us'
Subject: RE: AR Task Group Meeting October 20, 2003

The next step is to do a round robin with more people. We need to get MB from California, and 2 or 3 of yours from Arizona. The labs that will do the work are WSDOT,AZDOT,MacTec,Idaho Asphalt,ASU,USOIL,and a couple others that I can't remember right now. Ray (Pavlovich) is going to put the form together for us. The samples can come to me and then I will split them up to the different labs. We will include a procedure on how to handle the samples and the test method with each box.

We want to do this in the winter months. Ray will calculate the results for us. The goal is to see if more labs get as good of results as I did so we can go on with making a new specification.

Agenda for the PCCAS AR Task Group Meeting

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- > Monday 9:00 AM, October 20, 2003 at the FNF office
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- > Draft Agenda
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- > * Opening Remarks
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- > * Arizona State University AR research review, Dr. Kamil Kaloush
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- > * Development of a Mix Design Procedure for Gap Graded AR, Anne
- > Stonex, Mactec
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- > * Status of the development of a standard Haake test, Doug Carlson,
- > RPA
- > *
- > * Quiet Pavements Construction, Mark Belshe, FNF
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- > * Status of the DSR testing of AR, Shauna Teclamarian
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- > * ASTM Open Graded Standards Development
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- > * AASHTO Gap Graded Standard Development
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- > * AR & MB Developments in California

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> * General Discussion  
> * Other
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